

## SEQUENCE LISTING

<110> Keith, Jonathan M  
Bryant, Darryn E  
Adams, Peter

<120> A method for sequence analysis

<130> DAVI199.003C1

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<210> 132  
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<220>  
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<400> 132  
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<210> 133  
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<220>  
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<400> 133  
ggcgcggg 8

<210> 134  
<211> 48  
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<220>  
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<400> 134  
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<210> 135  
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<400> 135  
cagaagaa 8

<210> 136  
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<400> 136  
ctcacacc 8

<210> 137

<211> 48  
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<400> 137  
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<210> 138  
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<220>  
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<400> 138  
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<400> 139  
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<400> 140  
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<220>  
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<400> 141  
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<210> 142  
<211> 48  
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<220>  
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<400> 143  
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<211> 8  
<212> DNA  
<213> Artificial  
  
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<400> 144  
ctcacacc 8  
  
<210> 145  
<211> 27  
<212> DNA  
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<223> Sequence string  
  
<400> 145  
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<400> 146  
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<210> 147  
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<220>  
<223> Sequence string

<400> 147  
aagaaggaac ccg 13

<210> 148  
<211> 22  
<212> DNA  
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<220>  
<223> Sequence string

<400> 148  
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<210> 149  
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<220>  
<223> Sequence string

<400> 149  
cagaacaagg aaccgcg 18

<210> 150  
<211> 20  
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<220>  
<223> Sequence string

<400> 150  
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<210> 151  
<211> 28  
<212> DNA  
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<220>  
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<400> 151  
ccgcgccttc tgctctggtg cgggaggc 28

<210> 152  
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<400> 152  
tgaaggaac 9

<210> 153  
<211> 9  
<212> DNA  
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<220>  
<223> Sequence string

<400> 153  
agaagáaaa 9

<210> 154  
<211> 9  
<212> DNA  
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<220>  
<223> Sequence string

<400> 154  
agaaggaac 9

<210> 155  
<211> 9  
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<220>  
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<400> 155  
acaaggaac 9

<210> 156

<211> 9  
 <212> DNA  
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<220>  
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<400> 156  
 agaaggtac

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<210> 157  
 <211> 251  
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<220>  
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<400> 157  
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 tctcagttaa gctatatacg ataaatattg gcatctttct attgcaggat gatttctagt 120  
 gctaagcatt atagccagga gtaaaggaaa taacgcttta acgataccac cattaattta 180  
 aaaaatggag tctgaaatgg aaaaagaaga aaaaagcaat ctcatctacg ataaagatcc 240  
 tggatatgtg t 251

<210> 158  
 <211> 247  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Sequence string

<400> 158  
 ggcgtaataa tactatttgt tgtgtcaatt gtcttggttc ctgactaaaa cattaaggtt 60  
 tctcagttaa gctatagacg ataaatattg gcatctttct attgcaggat gatttctagt 120  
 gctaagcatt atagccagga gtaaaggaaa taacgogtta acgataccac cattaattta 180  
 aaaaatggag tctgaaatgg aaaaagaaga aaaaagcaat ctcatctacg ataaagatcc 240  
 tggatat 247

<210> 159  
 <211> 247  
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\* <220>

<223> Sequence string

<220>

<221> misc\_feature

<222> (218)..(218)

<223> n is a, c, g, or t

<400> 159

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tctcagttaa gctatatacg atacatatgg gcatctttct attgcaggat gatttctagt 120

gctacgcagt atagccagga gtaaaggaaa taacgcttta acgctaccac cattaattta 180

aaaaatggag tctgaaaggg aaaaagaaga aaaacgcnat ctcatctacg ataaagatcc 240

tg gatat 247

<210> 160

<211> 247

<212> DNA

<213> Artificial

<220>

<223> Sequence string

<400> 160

ggcgtaataa tactatattgt tgtgtcaatt ttcttggttc ctgactaaaa cattaaggtt 60

tctcagttaa gctatatacg ataaatcttg gcatcttgct attgcaggat gatttctagt 120

gctaagcagt atagccagga gtaaaggaaa tcacgcttta acgataccac cattaattta 180

aaaaatggag tctgaactgg aaaacgaaga aacaagcaat ctcatctacg ataaagatcc 240

gg gatct 247

<210> 161

<211> 247

<212> DNA

<213> Artificial

<220>

<223> Sequence string

<220>

<221> misc\_feature

<222> (23)..(23)

<223> n is a, c, g, or t

<220>

<221> misc\_feature

<222> (76)..(76)

<223> n is a, c, g, or t

<220>

<221> misc\_feature

<222> (99)..(99)

<223> n is a, c, g, or t

<220>

<221> misc\_feature

<222> (195)..(195)

<223> n is a, c, g, or t

<400> 161

ggcgtataa tactatgtgt tngtcaatt ttcttggttc ctgactaaaa cattaagggtt 60

tctcagttaa gctatntacg ataaatattg gcattcttnt attgcaggat gatttctagt 120

gctaagcatt atagccagga gtaaaggaaa taacgcttta acgataccac cattaattta 180

aaaaatggag tctgnactgg aaaaagaaga aaaaagcaat ctcatctacg ataaagatcc 240

tggatat 247

<210> 162

<211> 247

<212> DNA

<213> Artificial

<220>

<223> Sequence string

<400> 162

ggcgtataa tactatttgt tgtgtcaatc tcctcggttc ctgactaaaa cattaagggtt 60

tctcagttaa gctatacacg ataaacactg gcattcttct actgcaggat gatctccagt 120

gctaagcatt atagccagga gtaaaggaaa taacgcttta acgataccac cattaatcta 180

aaaaatggag cctggaatgg aaaaagaaga aaaaagcaat ctcatctacg ataaagattc 240

tggatac 247

<210> 163

<211> 247

<212> DNA

<213> Artificial

<220>

<223> Sequence string

<400> 163

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gctaagcatt atagtcagga gtaaaggaaa taacgcttta acgataccac cattaattca 180  
aaaaatggag tctgaaatgg aaaaagaaga aaaaagcaac ctcatctacg ataaagatcc 240  
tggatat 247

<210> 164  
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tctcagttaa gctatatacg ataaatattg gcatctttct attgcaggat gatttctagt 120  
gctaagcatt atagccagga gtaaaggaaa taacgcttta acgataccac cattaattta 180  
aaaaatggag tctgaaatgg aaaaagaaga aaaaagcaat ctcatctacg ataaagatcc 240  
tggatat 247

<210> 165  
<211> 247  
<212> DNA  
<213> Artificial

<220>  
<223> Sequence string

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tctcagttaa gctatatacg ataaatattg gcatctttct attgcaggat gatttctagt 120  
gctaagcatt atagccagga gtaaaggaaa taacgcttta acgataccac cattaattta 180  
aaaaatggag tctgaaatgg aaaaagaaga aaaaagcaat ctcatctacg ataaagatcc 240  
tggatat 247

<210> 166  
<211> 245  
<212> DNA  
<213> Artificial

<220>  
<223> Sequence string

<220>

<221> misc\_feature  
 <222> (231)..(232)  
 <223> n is a, c, g, or t

<220>  
 <221> misc\_feature  
 <222> (240)..(240)  
 <223> n is a, c, g, or t

<400> 166  
 ggcgtaataa cactatttgt cgtgcccaatt ttcttggttc ctggctaaag cattagggtc 60  
 tctcggtttag gctgtatacg gcgagtgttg gcattcttct atcgcgggat gatttctagt 120  
 gctagacgct atagccaggg gtaaaggaag taacgcttca gcggtaccac cattagttta 180  
 aagggtgggg cctgaagtgg aaaaagggaa agaaagcaat ctcatctcgg nnaagatccn 240  
 ggttt 245

<210> 167  
 <211> 248  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Sequence string

<220>  
 <221> misc\_feature  
 <222> (239)..(239)  
 <223> n is a, c, g, or t

<400> 167  
 gacgtagtag tactatctgt cgtgtcagtc ttcttggttc ccgaccaaga cactaaggtc 60  
 tctcagctag actgtgcacg ataaatattg gcgccttct actgcggaat gatttcta 120  
 gctaagcact atgaccagga gtggaggagg caacactcta acgacaccac cattaattca 180  
 aagagcggag cctgggatgg ggagagggga aaagagcaac cccatctaca ataaaaganc 240  
 cttgattt 248

<210> 168  
 <211> 245  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Sequence string

<220>

<221> misc\_feature  
<222> (244)..(244)  
<223> n is a, c, g, or t

<400> 168  
gacgtagtag tactatttgc tgtgcccaacc ttcttagtcc ctggctgaag cattgaggtt 60  
tcccgggtcaa accatacgcg ataagtattg gcacctttct actacaggat ggcttctagt 120  
gccagacatt acagccaggg gtgaagggga taacgcttta gcgacaccac cgttaaccta 180  
aaagatggag tctgaaatgg aaaaagggga gagaagcaat ctgcctacg acaaaaactt 240  
gatnc 245

<210> 169  
<211> 247  
<212> DNA  
<213> Artificial

<220>  
<223> Sequence string

<220>  
<221> misc\_feature  
<222> (230)..(230)  
<223> n is a, c, g, or t

<400> 169  
ggcgtgataa cgctacctgc tacaccaatc ctcttggtc ctggccaagg cactaaggtc 60  
tctcagtcgg gctatataca gtaggcattg gcattccttt gtcgtggggg aatctctagt 120  
gctaaacatt atagccaggg gtgaaggaaa taacgctcta acgataccac cgctagccca 180  
aaaagtggag tccgggatgg agaaagagga gaggagcaat cccgctgcan taaaggcccc 240  
tggacat 247

<210> 170  
<211> 245  
<212> DNA  
<213> Artificial

<220>  
<223> Sequence string

<220>  
<221> misc\_feature  
<222> (226)..(226)  
<223> n is a, c, g, or t

<400> 170

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ggcgtaataa taccacttgt tgtgtcaatt tccttggttc ctgactaaaa cactaagggtc    60
tttcagctaa gccgtatacg ataaacactg gcatctttct gctacagggc gattcctagt    120
gctaggcatt atggccagga gtaaagggga tgacgcttca gcggcaccgc cattgggttta    180
aagaatgggg cctgaaatgg agaaagaggg aagaggcaat ctcatntgcg atagaagctg    240
gatat                                          245

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<210> 171
<211> 245
<212> DNA
<213> Artificial

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<220>
<223> Sequence string

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<400> 171
ggcgtaatga tactacctgt cgtgccaatc ttcttggttc ctgactagag cattaagggt    60
tctcagttaa gctatatacg gtaaattattg gcatcttctt attgccaggat gatttctagt    120
gccgagcatt atagccagga gtaaaggaaa tggcgccctta gcggtgccac cattagttta    180
aagaatggag tctgaaatgg aaaaagaagg aaaaagcagc cttatctacg ataaggactg    240
agtat                                          245

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<210> 172
<211> 245
<212> DNA
<213> Artificial

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<220>
<223> Sequence string

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<400> 172
ggcgtagtaa taccatctac tgtgtcaatc cctcgactc ccgactgaaa cattaagggt    60
tctcagctaa gctacgcacg atgagtaccg gcatccctct atcgaggac gatccctagt    120
gctaggcatt acagccggga gtaagggaga taacacttta acggtaccac cactaactcg    180
gagaatggag tttgaagtgg aaaaggggga aaaaaacaat ctgctctgcg gtagaggccg    240
ggcgt                                          245

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<210> 173
<211> 245
<212> DNA
<213> Artificial

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<220>

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<223> Sequence string

<220>

<221> misc\_feature

<222> (116)..(116)

<223> n is a, c, g, or t

<220>

<221> misc\_feature

<222> (130)..(130)

<223> n is a, c, g, or t

<400> 173

ggcgtaacag tactacttgc tgcgtcaact ttcttggtcc ctggctgaag cgtaaggcc 60

tctcggttga gctatgcacg gtaaatactg acgcttcccc gtcgcagggc gatctntggc 120

gccaagcatn atagccaggg gtaaaggaag taacgctttg gcggcaccac cactaactta 180

gagaatggag tccgggatgg gggaagggga aagagacgac cccacctacg gtggggaccg 240

ggtat 245

<210> 174

<211> 245

<212> DNA

<213> Artificial

<220>

<223> Sequence string

<220>

<221> misc\_feature

<222> (192)..(192)

<223> n is a, c, g, or t

<220>

<221> misc\_feature

<222> (223)..(223)

<223> n is a, c, g, or t

<220>

<221> misc\_feature

<222> (233)..(233)

<223> n is a, c, g, or t

<400> 174

ggcgtaataa tactatctgt tgtgtcaatt ttcttggttc ctgactaaag cattaagggtt 60

tctcagttaa gctgtatacg ataaatattg gcacctttct attgcaggat gatttctggt 120

gctaagcatt acagccagga gtaaaggaaa taacgcttta acggtaccac cattaattta 180

aaaaatggaa tntgaaatgg aaaaagaaga gaaaagcaat ctnatctacg gtnaagactg 240

ggtat 245

<210> 175  
 <211> 245  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Sequence string

<400> 175  
 ggcgtaataa tactacctgt tgcgccaatc tccctgggtcc ctgactaaaa cgtaaagggtc 60  
 tcccagttaa gccacatacg acagatattg gcatccccct actgcggaat gatttctggt 120  
 gctaagcggt atagccagga gtaaagggaa tgacgcctta acggtaccgc cgtaaattca 180  
 aagagtggag tctggagtga gaaaaggaga aggaagcagt cccatctgca ataagggccg 240  
 ggtat 245

<210> 176  
 <211> 245  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Sequence string

<400> 176  
 ggcgtaataa tactacttac tgtgttaatt ctctcggtcc ccgactaaaa cattaagggtt 60  
 tcccagttaa gctatatatg gtaaattgccg gcacctttct atcgaggat gatctctagc 120  
 gccaggcgct atagtcagga gtagaggaga tgacgcttta acgataccgc catcaacttg 180  
 agaagtggag tctgaaacgg aggaggaagg aaaaaataat ctcatcacg atagaaactg 240  
 gatat 245

<210> 177  
 <211> 185  
 <212> DNA  
 <213> Artificial

<220>  
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<400> 177  
 ggcgtaataa tactgtttgt tgtgtcaatt ttcttggttc ctgacaaaa cattaagggtt 60  
 gctaagcatc atagtcagga gtaaagggga taacgctttg gcgataccac cattaatcta 120

aaaagtggag tctgaaacgg aagaagagga agagagtaat ctcactctacg gcaaaggctg 180  
 ggtat 185

<210> 178  
 <211> 245  
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<220>  
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<400> 178  
 aacgtaataa tactattttgc cgtgtcaatt ttctcgggtcc ccgactgaaa tggttaggggtt 60  
 tcccagttaa gctatatacg ataaatattg gcactctttcc attgcgggat gattcctagt 120  
 gctaagcatt atagccagga gtaaaggaaa' taacgcttta gcagtaccac cattaattta 180  
 aaagatggag tctgaagtgg aaaaggagga aaaaagcaat ctcactctacg ataaagactg 240  
 gatac 245

<210> 179  
 <211> 246  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Sequence string

<220>  
 <221> misc\_feature  
 <222> (23)..(23)  
 <223> n is a, c, g, or t

<220>  
 <221> misc\_feature  
 <222> (232)..(232)  
 <223> n is a, c, g, or t

<400> 179  
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 cccagtcac gccacatacg acagacattg gcactcttct actacaggat gatttctagt 120  
 gctaagtgtt gtagccagga gcaaaggaga taacgcccta atggcgccat cattaattca 180  
 gaaagtggag cctaaagtgg agaaagagaa gaagagtacc ccgtctacag tnaagacccc 240  
 gggat 246

<210> 180

<211> 245  
 <212> DNA  
 <213> Artificial

<220>  
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<400> 180  
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 cccagtcag accatatacg ataaataccg gcacctcctt accgcgggac agttcctaac 120  
 gctaagcact atagccgggg gtaaagggga taacgcttcg acgataccac cgctaactta 180  
 agggatgggg cctgagatgg agagagaaga agagagcgat ctcactctacg ataagggtc 240  
 gatat 245

<210> 181  
 <211> 245  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Sequence string

<400> 181  
 ggcgtaatag tactatttgt tgtgtcaatt ctcttggtc ctgactgaaa cactaaggtc 60  
 tctcagctag gctatgtgcg acggatattg gcacctctct gctacaggat gacttctagc 120  
 gctgggcgcc atagccagga gtaaagggga taatgctcta acggcaccac cactaattta 180  
 agaaatggag tctaaagtgg gaaaagaaga aaagagcaat ctcacccacg acgaggactg 240  
 gatat 245

<210> 182  
 <211> 245  
 <212> DNA  
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<220>  
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<220>  
 <221> misc\_feature  
 <222> (120)..(120)  
 <223> n is a, c, g, or t

<220>  
 <221> misc\_feature  
 <222> (159)..(159)  
 <223> n is a, c, g, or t

<400> 182  
aacgtaatag taccattcgt tgtgtcaact ttcttggccc ctgactagag catcgaggtc 60  
tcttggttaa gctgcatgcg ataaatattg gcgcctctct actgcagggt ggtccctggn 120  
gctgggcggt atagccggga gtaaggga caacgcttng gcggcaccac cactagttta 180  
aggaatggag tctgaaacgg aaggagaaga gaaaggcaat cccatctaca ataaagactg 240  
ggtat 245

<210> 183  
<211> 245  
<212> DNA  
<213> Artificial

<220>  
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<400> 183  
ggcgtagcgg tactgttcgc tgtgtcgatc ttcttggccc ctgactagag cattaaggtc 60  
tcttgattaa gctatgcacg gtgaatactg gcctcctct atcgcaggac ggcctctggt 120  
gctgagcgct atggccagga gtgaagggga tgacgcctta acagtaccac cgttagttca 180  
gaaagcggag tctgagatgg aggaggaagg aagaagcaat cttatctacg gtaaagactg 240  
gatat 245

<210> 184  
<211> 245  
<212> DNA  
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<220>  
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<400> 184  
ggcgtagtaa tactacttgt tgtgtcaact ttcttgggtcc ctgactaaa cattaagggt 60  
tcccagctaa gtcataatcg ataaatactg gcgttcttct actgcgggac ggctcctggt 120  
gctaagcggt atagccagga gtggaggaaa taacgcttta gcgataccac cattaattta 180  
aaaaatggag tctgagatgg gagaggaaga agaaaacagt ctcacctacg acaaggactg 240  
gatat 245

<210> 185  
<211> 195  
<212> DNA  
<213> Artificial

&lt;220&gt;

&lt;223&gt; Sequence string

&lt;400&gt; 185

cattaaggtc cctcggttga gctatgtacg gtgagtattg gcgccttcct attgcagaat 60  
aattttctagc gccaaagcatt gtagccgggg gtaaaggaaa cagcgcttca acgataccgc 120  
cactaactca aagaatggag tctggagtgg agaaaagggg agagagcagt cccatccacg 180  
gtaaagactg gatat 195

&lt;210&gt; 186

&lt;211&gt; 245

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Sequence string

&lt;400&gt; 186

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&lt;210&gt; 187

&lt;211&gt; 245

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Sequence string

&lt;400&gt; 187

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&lt;210&gt; 188

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&lt;212&gt; DNA

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<223> Sequence string

<400> 188

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gccgaggttg tgagttcgag cctcacctgg agca 94